

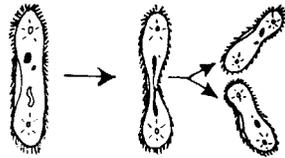
Gately Repro Quiz

Name: _____

Date: _____

1. The diagram shown represents reproduction in a Paramecium. Which specific process is represented in the diagram?

- A. sporulation
- B. binary fission
- C. budding
- D. regeneration



2. Male and female reproductive cells develop in specialized organs known as

- A. excretory glands
- B. lymph glands
- C. gametes
- D. gonads

3. In which reproductive pattern does an egg cell of a vertebrate have the best chance of developing into an embryo and completing this stage of development?

- A. external fertilization and external development
- B. external fertilization and internal development
- C. internal fertilization and external development
- D. internal fertilization and internal development

4. Budding, spore formation, and vegetative propagation are methods of reproduction that involve the process of

- A. mitosis
- B. meiosis
- C. fusion of gametes
- D. crossing-over

5. The fusion of monoploid gametes restores the diploid condition in organisms that reproduce

- A. asexually
- B. sexually
- C. vegetatively
- D. mitotically

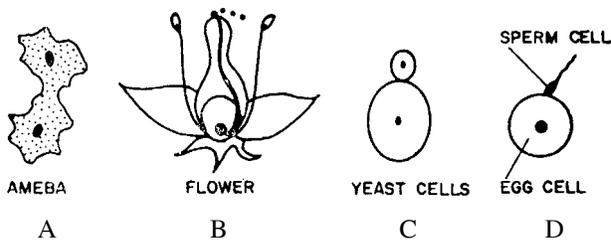
6. Organisms that can reproduce by budding are

- A. yeast and hydra
- B. yeast and earthworm
- C. bread mold and grasshopper
- D. grasshopper and goldfish

7. Animal *X* releases 100 egg cells into an aquatic environment. In this external medium, the eggs are fertilized by the male, and zygotes develop into multicellular embryos. Animal *Y* releases one egg cell into an internal environment. Sperm cells from the male deposited inside the female fertilize the egg. The zygote formed develops within a uterus. Which organisms could correctly represent animal *X* and animal *Y*?

- A. dog (*X*) and frog (*Y*)
- B. frog (*X*) and human (*Y*)
- C. chicken (*X*) and goldfish (*Y*)
- D. goldfish (*X*) and chicken (*Y*)

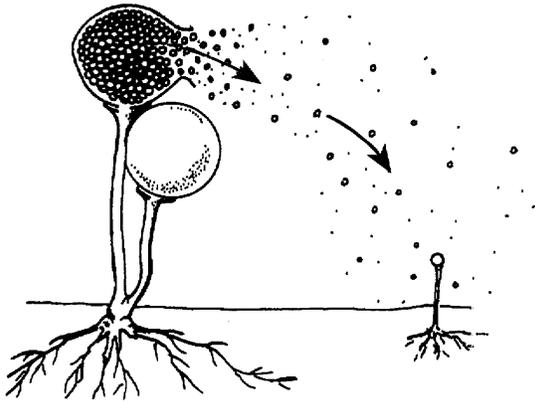
8.



The diagrams shown represent various processes associated with reproduction. Asexual reproduction is represented by

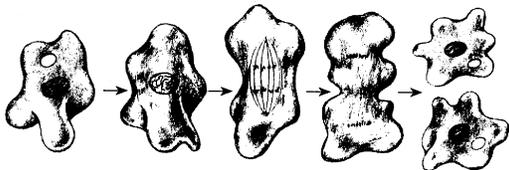
- A. A, only
- B. B, only
- C. A and C
- D. B and D

9. Which type of reproduction is illustrated in the diagram?



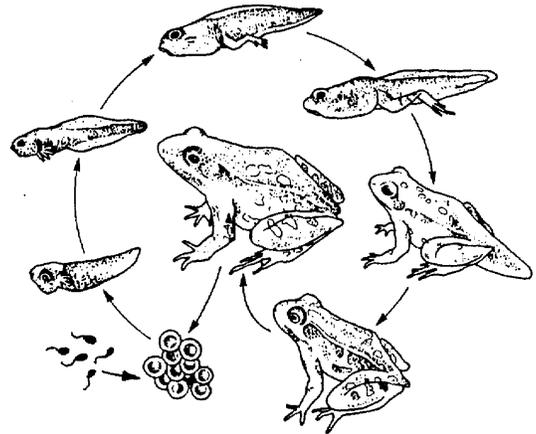
- A. budding B. sporulation
C. gametogenesis D. regeneration

10. Which phrase best describes the process represented in the diagram shown?



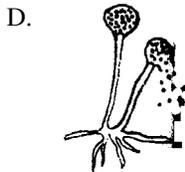
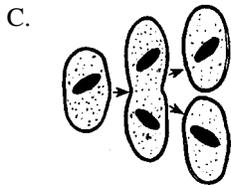
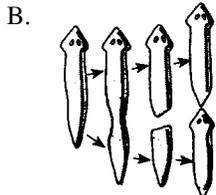
- A. germination of a pollen grain in a flower
B. identical gametes being formed by mitotic cell division
C. development of seeds in an ovule
D. daughter cells being formed by mitotic cell division

11. The diagram pictured shows a vertebrate life cycle. The reproductive pattern involved in this cycle can best be described as



- A. internal fertilization followed by external development
B. internal fertilization followed by internal development
C. external fertilization followed by external development
D. external fertilization followed by internal development

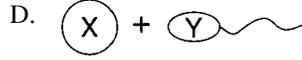
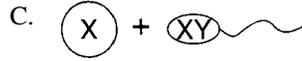
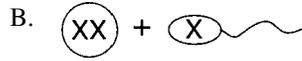
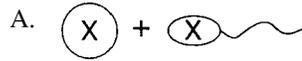
12. Which diagram represents the type of asexual reproduction known as regeneration?



13. What are the normal chromosome numbers of a sperm, egg, and zygote, respectively?

- A. monoploid, monoploid, and monoploid
- B. monoploid, diploid, and diploid
- C. diploid, diploid, and diploid
- D. monoploid, monoploid, and diploid

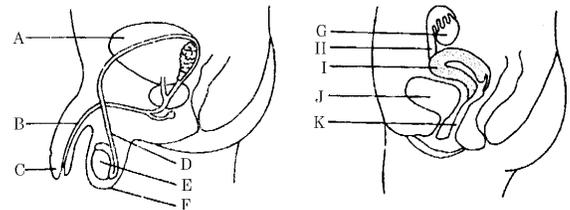
14. Which diagram illustrates fertilization that would most likely lead to the development of a normal human female?



15. In humans, the sex of an offspring is determined by the

- A. female gamete during meiosis
- B. female gamete at the time of fertilization
- C. male gamete at the time of fertilization
- D. male gamete during mitosis

16. Monoploid cells are produced within structures



- A. A and J
- B. E and G
- C. B and I
- D. D and H

1.
Answer: B
2.
Answer: D
3.
Answer: D
4.
Answer: A
5.
Answer: B
6.
Answer: A
7.
Answer: B
8.
Answer: C
9.
Answer: B
10.
Answer: D
11.
Answer: C
12.
Answer: B
13.
Answer: D
14.
Answer: A
15.
Answer: C
16.
Answer: B